

Summary

The present invention is related to the field of mechanical engineering and describes an automatically adjustable system of traverse rails with multiple characteristics that extend the useful life of the sustain by a minimum factor of four while providing redundant security backup to the rails allowing human passengers to move from one place to another in an easy and safe manner with a minimum of noise and vibration while providing the owner of the system benefits of lower maintenance cost and less exposure to financial risk. Also the system can be installed in a multitude of natural places without the need to cut or damage the environment. Using the same components this system offers other configuration options to increase the possibilities of installing a system with desirable characteristics over a greater number of inclinations. Combining the various components starting with a smooth rail as in fig 1 with the self-equalizing system fig. 3 for a maximum conservation of energy to maximum breaking rail with the skeleton braid in fig.2 with the maximum braking security system of in Fig. 4.